Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	04/26/2019 10:46 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/02/2019 10:47 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123534	-2	0.94	123605	0.95
Blue	F	SSC	125000	124546	-1	1.77	125310	1.76
Blue	E	FITC	16694	16264	-3	2.64	353	19.17
Blue	D	PE	32792	32373	-2	1.80	705	14.09
Blue	B	PerCP-Cy5-5	44451	43953	-2	3.47	1184	19.65
Blue	A	PE-Cy7	33645	33332	-1	5.84	631	39.75
Red	C	APC	47008	46650	-1	2.35	1654	11.94
Red	A	APC-Cy7	32298	31364	-3	2.31	828	11.60
Violet	B	V450	8961	8569	-5	5.10	478	13.54
Violet	A	V500	32726	31916	-3	4.95	740	10.58

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21007	2.55	602	-11	N/A	N/A	Pass
Blue	F	SSC	56516	1.22	542	-26	N/A	N/A	Pass
Blue	E	FITC	65	62.06	539	-24	0.0231	136	Pass
Blue	D	PE	147	48.91	547	-19	0.1927	330	Pass
Blue	B	PerCP-Cy5-5	219	48.39	643	-28	0.0103	58	Pass
Blue	A	PE-Cy7	121	96.37	694	-32	0.0122	13	Pass
Red	C	APC	394	25.24	585	-28	0.0271	157	Pass
Red	A	APC-Cy7	182	28.29	559	-26	0.0066	1007	Pass
Violet	B	V450	75	60.11	471	-15	0.0548	2271	Pass
Violet	A	V500	111	31.00	481	-15	0.0251	462	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.11	-31.74	1.02
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.52
Red	17.29	13.60 - 20.40	N/A	N/A	29.71	29.77	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9620

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments